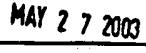
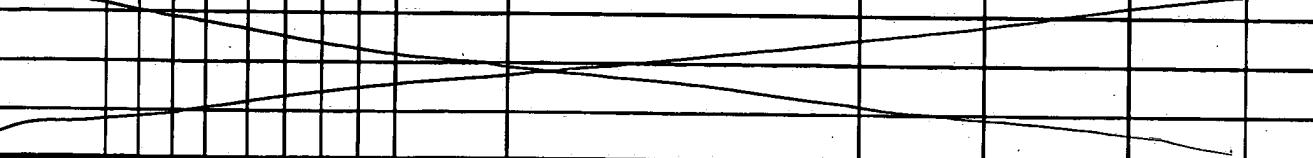
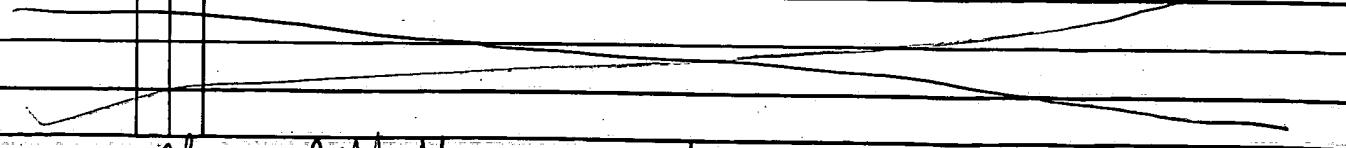
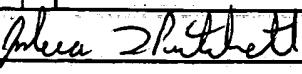


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				Applicants Hiroshi NOMURA et al.			
				Filing Date September 24, 2001			
							
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	4 4 8 4 8 0 0	11/27/84	TAMURA				
	4 5 7 6 4 4 6	03/18/86	KAMATA				
	4 5 9 5 0 8 1	06/17/86	PARSONS				
	4 6 6 2 2 4 1	05/05/87	EDWARDS				
	4 8 3 4 5 1 4	05/30/89	ATSUTA et al.				
	4 9 7 1 4 2 7	11/20/90	TAKAMURA et al.				
	4 9 9 3 8 1 5	02/19/91	YAMAZAKI et al.				
	5 0 3 7 1 8 7	08/06/91	ODA et al.				
	5 1 2 6 8 8 3	06/30/92	SATO et al.				
	5 1 7 7 6 3 8	01/05/93	EMURA et al.				
	5 1 9 6 9 6 3	03/23/93	SATO et al.				
	5 2 6 8 7 9 4	12/07/93	CHAN				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	NO
	0 4 3 4 0 9 0 7	11/27/92	JAPAN				
							
OTHER DOCUMENTS (Including Author, Title, Date; Pertinent Pages, Etc.)							
	1	English Language Abstract of JP Appln. No. 04-340907.					
							
EXAMINER				DATE CONSIDERED <u>4/21/04</u>			
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)							Applicant Hiroshi NOMURA et al.				
							Filing Date September 24, 2001	Group 2872			
U.S. PATENT DOCUMENTS											
EXAMINER INITIAL		DOCUMENT NUMBER			DATE	NAME		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
		4	9	1	8	4	8	0	04/17/90	HORI	
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		5	1	4	4	3	5	2	09/01/92	SHONO	
		5	2	2	2	4	0	7	06/29/93	SEKIGUCHI	
		5	2	3	7	3	5	7	08/17/93	MORISAWA	
		5	3	1	3	2	4	4	05/17/94	ARAI	
		5	6	4	6	7	9	0	07/08/97	KOHMOTO et al.	
		5	6	7	1	4	4	9	09/23/97	SHIMIZU	
		5	7	0	1	2	0	8	12/23/97	SATO et al.	
		5	7	0	8	5	3	3	01/13/98	HAMASAKI	
		5	7	7	4	7	4	8	06/30/98	ITO et al.	
		5	8	4	2	0	5	7	11/24/98	NOMURA et al.	
		4	9	1	7	4	8	2	04/17/90	ITO	
		4	9	7	8	2	0	4	12/18/90	ITO	
		4	9	8	4	8	7	7	01/15/91	ITO	
		5	5	7	2	2	7	6	11/05/96	HIRAKAWA	
		6	0	2	8	7	1	4	02/22/00	KOYAMA	
FOREIGN PATENT DOCUMENTS											
		DOCUMENT NUMBER			DATE	COUNTRY		CLASS	SUBCLASS	TRANSLATION YES NO	
		20	00	2	7	5	5	1	8	10/06/00	JAPAN
		8-	1	4	6	2	9	6		06/07/96	JAPAN
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)											
		1	English Language Abstract of JP 2000-275518.								
		2	English Language Abstract of JP 8-146296.								
EXAMINER <i>Alena Shustoff</i>					DATE CONSIDERED <i>4/21/04</i>						
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Applicants Hiroshi NOMURA et al.				MAY 27 2003		
		Filing Date September 24, 2001				GPO 2872 U.S. GOVERNMENT PRINTING OFFICE		
U.S. PATENT DOCUMENTS								
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<i>W</i>	6 1 1 8 6 6 6	09/12/00	AOKI et al.					
<i>W</i>	6 1 6 0 6 7 0	12/12/00	NAKAYAMA et al.					
<i>W</i>	6 4 2 4 4 6 9	07/23/02	HIRAI					
<i>W</i>	6 4 3 7 9 2 4	08/20/02	AZEGAMI					
<i>W</i>	6 4 9 3 5 1 1	12/10/02	SATO					
<i>W</i>	6 4 2 9 9 7 9	08/06/02	ENOMOTO					
<i>W</i>	6 4 3 7 9 2 2	08/20/02	ENOMOTO et al.					
<i>W</i>	6 5 2 2 4 7 8	02/18/03	NOMURA et al.					
<i>W</i>	6 5 2 2 4 8 2	02/18/03	NOMURA et al.					
<i>W</i>	6 5 2 2 4 8 1	02/18/03	NOMURA et al.					
<i>W</i>	6 4 2 9 9 7 9	08/06/02	ENOMOTO					
<i>W</i>	6 4 3 7 9 2 2	08/20/02	ENOMOTO et al.					
FOREIGN PATENT DOCUMENTS								
	DOCUMENT NUMBER	DATE	COUNTRY		CLASS	SUBCLASS	TRANSLATION YES	NO
			<i>No Né</i>					
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
			<i>No Né</i>					
EXAMINER	<i>Johanna 2 Rutherford</i>		DATE CONSIDERED <i>4/1/104</i>					
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				Applicants Hiroshi NOMURA et al.			
				Filing Date September 24, 2001	Group 2872		
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<i>JP</i>	5 3 0 1 0 6 6	04/05/94	HIGUCHI et al.				
<i>JP</i>	5 5 8 9 9 8 7	12/31/96	TANAKA				
<i>JP</i>	5 7 0 1 2 0 8	12/23/97	SATO et al.				
<i>JP</i>	5 7 3 9 9 6 2	04/14/98	ASAKURA et al.				
<i>JP</i>	5 7 7 4 2 6 6	06/30/98	OTANI et al.				
<i>JP</i>	5 8 7 0 2 3 2	02/09/99	TSUJI et al.				
<i>JP</i>	5 9 3 3 2 8 5	08/03/99	SATO et al.				
<i>JP</i>	6 0 6 9 7 4 5	05/30/00	FUJI et al.				
<i>JP</i>	6 1 9 5 2 1 1	02/27/01	IWASAKI				
<i>JP</i>	6 3 6 9 9 5 5	04/09/02	ENOMOTO et al.				
<i>JP</i>	6 4 5 6 4 4 2	09/24/02	ENOMOTO				
<i>JP</i>	6 4 5 6 4 4 5	09/24/02	NOMURA et al.				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	NO
<i>NONE</i>							
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
<i>NONE</i>							
EXAMINER <i>Alena S. Butlett</i>				DATE CONSIDERED <i>4/21/04</i>			
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						Filing Date September 24, 2001		Group 2872	
U.S. PATENT DOCUMENTS									
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<i>W</i>	5	8	9	2	9	9	8	04/06/99	KODAIRA et al.
<i>W</i>	6	1	2	5	2	3	7	09/26/00	PARK
<i>W</i>	4	4	2	6	1	4	5	01/17/84	HASHIMOTO
<i>W</i>	4	8	3	9	6	8	0	06/13/89	AMADA et al.
<i>W</i>	4	9	2	2	2	7	4	05/01/90	YAMAMOTO et al.
<i>W</i>	6	1	7	6	6	2	7	01/23/01	SUH
FOREIGN PATENT DOCUMENTS									
	DOCUMENT NUMBER			DATE	COUNTRY		CLASS	SUBCLASS	TRANSLATION YES NO
<i>NONE</i>									
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)									
<i>NONE</i>									
EXAMINER	<i>Alena 2 Rettell</i>			DATE CONSIDERED		<i>4/21/04</i>			

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		Filing Date September 24, 2001		Group 2872				
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
		6 4 6 9 8 4 0	10/22/02	NOMURA et al.				
		6 4 6 9 8 4 1	10/22/02	NOMURA et al.				
		6 5 1 2 6 3 8	01/28/03	SATO et al.				
2002	/	0 0 1 2 1 7 8	01/31/02	NOGUCHI				
2002	/	0 0 3 6 8 3 6	03/28/02	HAGIMORI				
		4 3 9 0 2 6 2	06/28/83	HIROHATA et al.				
		4 4 1 6 5 2 7	11/22/83	OKURA				
		5 1 6 6 8 2 9	11/24/92	IIIZUKA				
		5 2 4 1 4 2 2	08/31/93	SHIMADA et al.				
		5 4 6 1 4 4 3	10/24/95	NAKAYAMA et al.				
		5 5 5 9 5 7 1	09/24/96	MIYAMOTO et al.				
		5 8 1 2 8 8 9	09/22/98	NOMURA et al.				
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
EXAMINER <i>Debra Shultzell</i>		DATE CONSIDERED <i>4/21/04</i>						
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